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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/526,463	03/16/2000	Atsushi Tanaka	862.C1861	2570

5514 7590 09/06/2002

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NEW YORK, NY 10112

EXAMINER

SHANKAR, VIJAY

ART UNIT	PAPER NUMBER
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2673

DATE MAILED: 09/06/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

B

Office Action Summary

Application No.
09/526,463

Applicant(s)
Tanaka et al

Examiner
VIJAY SHANKAR

Art Unit
2673



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Mar 16, 2000
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle* 35 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirements.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 3,5 6) ☐ Other:

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Lieu (5,164,585).

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Regarding Claims 1,6,11, Lieu teaches a coordinate input device (figs.1-3) for generating a beam spot by irradiating a predetermined position of a coordinate input surface (1 in fig.2) with light coming from a pointing tool (30 in fig.3; col.2, lines 22-35), and generating a coordinate value corresponding to the beam spot (figs.1-3), comprising: a plurality of sensing means (61,62 in fig.1; col.3, lines 2-19), arranged for at least one coordinate axis, for sensing the beam spot (fig.1-3; col.3, lines 2-19); measurement means for measuring levels of data sensed by the plurality of sensing means (summary; fig.1-3;col. 2, lines 15-68; col.3, lines 2-19); comparison means for comparing the levels measured by the measurement means (summary; fig.1-3;col. 2, lines 15-68; col.3, lines 2-19); selection means for selecting a sensing result of one of the plurality of sensing means on the basis of a comparison result of the comparison means (summary; fig.1-3;col. 2, lines 15-68; col.3, lines 2-19);; and output means for outputting a coordinate value corresponding to the beam spot on the basis of the sensing result selected by the selection means, wherein light-receiving

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areas of the plurality of detection means have an overlapping portion (summary; fig.1-3; col. 2, lines 15-68; col.3, lines 2-19).

Regarding Claims 2,7, Lieu teaches that each of the plurality of sensing means has a linear array of a plurality of photoelectric conversion elements (fig.1; col. 3, lines 3-19).

Regarding Claims 3-4,8-9, Lieu teaches that output means comprises computation means for computing the coordinate value corresponding to the beam spot at resolving power not less than the number of pixels corresponding to the plurality of photoelectric conversion elements; and the output means comprises storage means for storing a reference coordinate value in the overlapping portion, and the output means outputs the coordinate value corresponding to the beam spot using the reference coordinate value (figs.1-3; col.2, lines 15-68); col.3, lines 1-19).

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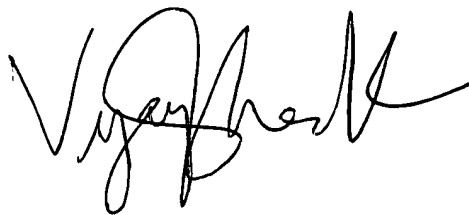
Regarding Claims 5,10, Lieu teaches the overlapping portion is defined by light-receiving areas of neighboring ones of the plurality of sensing means (figs.1-3).

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hasegawa et al, Mallicoat, and Kodama et al teach the coordinate input device.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VIJAY SHANKAR whose telephone number is (703) 305-4763.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700. The Group's new FAX number is (703) 872- 9314. This FAX number is to be used only for Group 2600 papers.

A handwritten signature in black ink, appearing to read 'Vijay Shankar', with a stylized, cursive script.

**VIJAY SHANKAR
PRIMARY EXAMINER
GROUP ART UNIT 2673**